

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: August 27, 2001, 17:54:39 ; Search time 120.98 Seconds
(Without alignments)
1096.934 Million cell updates/sec

Title: US-09-784-340-3_COPY_7800_8500
Perfect score: 701
Sequence: 1 gttgtgcacagtgagaaa.....tagattccagaaatla 701

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 324599 seqs, 9465562 residues

Total number of hits satisfying chosen parameters: 649198

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Issued_Patents_NA:

- 1: /cgn2_6/prodata/2/lna/5A_COMB.seq:*
- 2: /cgn2_6/prodata/2/lna/5B_COMB.seq:*
- 3: /cgn2_6/prodata/2/lna/6A_COMB.seq:*
- 4: /cgn2_6/prodata/2/lna/6B_COMB.seq:*
- 5: /cgn2_6/prodata/2/lna/PCTUS_COMB.seq:*
- 6: /cgn2_6/prodata/2/lna/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	55.6	7.9	7218	1	US-08-232-463-14
C 2	37.4	5.3	5433	3	US-08-929-329-1
C 3	34	4.9	1720	3	US-08-655-352-11
C 4	34	4.9	4937	2	US-08-622-166A-3
C 5	33	4.7	3126	3	US-08-929-329-2
C 6	32.8	4.7	1915	3	US-09-120-365-2
C 7	32.8	4.7	1915	4	US-09-515-039-2
C 8	32.8	4.7	1915	3	US-09-120-365-88
C 9	32.8	4.7	1916	4	US-09-515-039-88
C 10	32.4	4.6	5852	1	US-07-867-106-2
C 11	32.2	4.6	998	4	US-09-122-400B-5
C 12	31.8	4.5	1293	4	US-08-313-412-2
C 13	31.6	4.5	1649	1	US-07-961-522-9
C 14	31.6	4.5	1649	1	US-08-217-438-8
C 15	31.6	4.5	1649	1	US-08-321-978-9
C 16	31.6	4.5	1649	2	US-08-710-584-9
C 17	31.6	4.5	3112	4	US-09-318-448-9
C 18	31.4	4.5	591	4	US-08-149-101A-4
C 19	31.4	4.5	591	5	PCT-US94-12873-4
C 20	31.4	4.5	2124	6	5428012-1
C 21	31.4	4.5	2124	6	5451506-1
C 22	31.4	4.5	3986	2	US-08-627-254C-27
C 23	31.4	4.5	4160	4	US-09-341-678-5
C 24	30.8	4.4	87350	3	US-08-781-891-79
C 25	30.6	4.4	7739	4	US-09-195-966-1
C 26	30.6	4.4	7745	1	US-08-299-675-1
C 27	30.6	4.4	7745	1	US-08-485-241-1

C 28	30.6	4.4	7745	2	US-08-874-162-1	Sequence 1, Appl
C 29	30.6	4.4	9636	1	US-08-333-170B-7	Sequence 1, Appl
C 30	30.4	4.3	2448	1	US-08-526-964-2	Sequence 2, Appl
C 31	30.4	4.3	2448	2	US-08-946-617-2	Sequence 2, Appl
C 32	30.4	4.3	2448	3	US-09-031-897-2	Sequence 2, Appl
C 33	30.4	4.3	3095	6	5231168-1	Patent No. 5231168
C 34	30.4	4.3	9048	3	US-08-973-273-4	Sequence 4, Appl
C 35	30.2	4.3	2914	1	US-08-199-152-4	Sequence 4, Appl
C 36	30.2	4.3	7493	1	US-08-212-133A-7	Sequence 7, Appl
C 37	30.2	4.3	7493	1	US-08-474-503-5	Sequence 5, Appl
C 38	30.2	4.3	7493	2	US-08-670-707A-5	Sequence 5, Appl
C 39	30.2	4.3	7493	4	US-09-037-601-5	Sequence 5, Appl
C 40	30.2	4.3	7493	5	PCT-US94-13200-5	Sequence 5, Appl
C 41	30	4.3	731	1	US-08-451-405A-2	Sequence 2, Appl
C 42	30	4.3	1117	2	US-08-960-022-1	Sequence 1, Appl
C 43	30	4.3	3549	4	US-09-381-862-1	Sequence 1, Appl
C 44	29.8	4.3	1036	2	US-08-929-417-1	Sequence 1, Appl
C 45	29.8	4.3	1103	4	US-09-122-400B-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14/c
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: pTZpL-F15
US-08-232-463-14

```

; LENGTH: 5433 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double

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MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO

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; ORIGINAL SOURCE:
; ORGANISM: Plasmodium yoelii
US-08-929-329-1

```

Query Match	5.38;	S
Best Local Similarity	50.98;	P

matches	89;	Conservative	0;
QY	442	aaatggaaggaggtggaattta	

Db 2409 AAAACTAAAAACTGTTATATTG

Db 2469 ATTCAAAGTAAAAAATATATTAA

Db 2529 AATCATCATCAATAAAAAATTACT

RESULT 3
US-08-655-352-11
Sequence 11 Application no 09000000

Patent No. 6077991
GENERAL INFORMATION:
APPLICANT: Bachettlira W. Poove

NUMBER OF SEQUENCES:	19
TITLE OF INVENTION:	COMPOSITION
TITLE OF INVENTION:	PRODUCTION

CORRESPONDENCE ADDRESS:
ADDRESSEE: Klarquist Sparkman
ADDRESSEE: Winston, LLP
ADDRESS: 1111 17th St., N.W.
Washington, D.C. 20036
Tel: 202/462-1200
Fax: 202/462-1201
E-mail: info@klarquist.com
www.klarquist.com
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STREET: 121 S.W. Salmon Street
STREET: Suite 1600
CITY: Portland

STATE: Oregon
COUNTRY: United States of America
ZIP: 97204
COMPUTER BEADLINE FORM:

MEDIUM TYPE: Disk, 3-1/2 inc
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS DOS

SOFTWARE: MOWPERIPL 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/65
FILING DATE

CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/323,4

ATTORNEY/AGENT INFORMATION:
NAME: DOW, Alan, E.
REGISTRATION NUMBER: 35 133

REFERENCE/DOCKET NUMBER: 4630
TELECOMMUNICATION INFORMATION:
TELEPHONE: (503) 226-7391

INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1720 base pairs

TYPE: nucleic acid
STRANDEDNESS: double stranded

ORIGINAL SOURCE:
ORGANISM: Plasmodium berghei
US-08-929-329-2

Query Match 4.7%; Score 33; DB 3; Length 3126;
Best Local Similarity 51.7%; Pred. No. 1.8;
Matches 75; Conservative 0; Mismatches 70; Indels 0; Gaps 0;
QY 448 aaggaagtggaagatttaacaggtgctgagtggtgaactaagacctgcttggtagaa 507
DB 2599 AAAAAGCTTAAATTTGGCTTTAGGCGGCGGATGGGATGATTAATGCTCA 2658
QY 508 aatcaactatatttaaatgcatagccagacaataaattataagaattacc 567
DB 2659 AAAATTAATAATTTAATTAATCAAGCCCAATTAATTAATTAATTAATCA 2718
QY 568 atagctatgtaacaactactgggtc 592
DB 2719 TCATTATAAAAAATTACTTGAT 2743

RESULT 6
US-09-120-365-2/C
Sequence 2, Application US/09120365
Patent No. 6103514
GENERAL INFORMATION:
APPLICANT: Natcorl, Shunji
TITLE OF INVENTION: NEW PROTEASE
FILE REFERENCE: 32290-144749
CURRENT APPLICATION NUMBER: US/09/120,365
EARLIER FILING DATE: 1998-07-22
EARLIER APPLICATION NUMBER: JP 9-333 474
NUMBER OF SEQ ID NOS: 101
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 2
LENGTH: 1915
TYPE: DNA
ORGANISM: Sarcophaga peregrina
FEATURE:
NAME/KEY: CDS
LOCATION: (130)..(1779)
US-09-120-365-2

Query Match 4.7%; Score 32.8; DB 3; Length 1915;
Best Local Similarity 52.1%; Pred. No. 1.6;
Matches 73; Conservative 0; Mismatches 67; Indels 0; Gaps 0;
QY 505 gaaatcaactatatttaaatgcatagccagacaataaattataagaattacc 564
DB 1829 GAAATTAAGTCAATTTTAAAGCTTTAAGCAGACCATCAATATGCTTACATCTCA 1770
QY 565 acatagctatgtaacaactactggtttaccttactactacagagtgaaagaaccct 624
DB 1769 TAACTGGGCAATGGTCATTAACCCGCAATTTATTTTACGGGACACATTAATAATTAACCA 1710
QY 625 cattcccatltaagaa 644
DB 1709 TCATTGCCCAATTAAGTGA 1690

RESULT 7
US-09-515-039-2/C
Sequence 2, Application US/09515039
Patent No. 6214599
GENERAL INFORMATION:
APPLICANT: Natcorl, Shunji
TITLE OF INVENTION: NEW PROTEASE
FILE REFERENCE: 32290-144749
CURRENT APPLICATION NUMBER: US/09/515,039
CURRENT FILING DATE: 2000-03-06

EARLIER APPLICATION NUMBER: JP 9-333 474
EARLIER FILING DATE: 1997-11-18
NUMBER OF SEQ ID NOS: 101
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 2
LENGTH: 1915
TYPE: DNA
ORGANISM: Sarcophaga peregrina
FEATURE:
NAME/KEY: CDS
LOCATION: (130)..(1779)
US-09-515-039-2

Query Match 4.7%; Score 32.8; DB 4; Length 1915;
Best Local Similarity 52.1%; Pred. No. 1.6;
Matches 73; Conservative 0; Mismatches 67; Indels 0; Gaps 0;
QY 505 gaaatcaactatatttaaatgcatagccagacaataaattataagaattacc 564
DB 1829 GAAATTAAGTCAATTTTAAAGCTTTAAGCAGACCATCAATATGCTTACATCTCA 1770
QY 565 acatagctatgtaacaactactggtttaccttactactacagagtgaaagaaccct 624
DB 1769 TAACTGGGCAATGGTCATTAACCCGCAATTTATTTTACGGGACACATTAATAATTAACCA 1710
QY 625 cattcccatltaagaa 644
DB 1709 TCATTGCCCAATTAAGTGA 1690

RESULT 8
US-09-120-365-88/C
Sequence 88, Application US/09120365
Patent No. 6103514
GENERAL INFORMATION:
APPLICANT: Natcorl, Shunji
TITLE OF INVENTION: NEW PROTEASE
FILE REFERENCE: 32290-144749
CURRENT APPLICATION NUMBER: US/09/120,365
EARLIER FILING DATE: 1998-07-22
EARLIER APPLICATION NUMBER: JP 9-333 474
EARLIER FILING DATE: 1997-11-18
NUMBER OF SEQ ID NOS: 101
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 88
LENGTH: 1916
TYPE: DNA
ORGANISM: Sarcophaga peregrina
US-09-120-365-88

Query Match 4.7%; Score 32.8; DB 3; Length 1916;
Best Local Similarity 52.1%; Pred. No. 1.6;
Matches 73; Conservative 0; Mismatches 67; Indels 0; Gaps 0;
QY 505 gaaatcaactatatttaaatgcatagccagacaataaattataagaattacc 564
DB 1829 GAAATTAAGTCAATTTTAAAGCTTTAAGCAGACCATCAATATGCTTACATCTCA 1770
QY 565 acatagctatgtaacaactactggtttaccttactactacagagtgaaagaaccct 624
DB 1769 TAACTGGGCAATGGTCATTAACCCGCAATTTATTTTACGGGACACATTAATAATTAACCA 1710
QY 625 cattcccatltaagaa 644
DB 1709 TCATTGCCCAATTAAGTGA 1690

RESULT 9
US-09-515-039-88/C
Sequence 88, Application US/09515039
Patent No. 6214599

ADDRESSSEE: ROBERTA L. ROBINSON
 STREET: 635 BRYANT STREET
 CITY: PALO ALTO
 STATE: CALIFORNIA
 COUNTRY: UNITED STATES OF AMERICA
 ZIP: 94301
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/961,522
 FILING DATE: 19921015
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: ROBINS, ROBERTA L.
 REGISTRATION NUMBER: 33,208
 REFERENCE/DOCKET NUMBER: 9000-0015.20
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 617-3299
 TELEFAX: (415) 617-3231
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1649 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-07-961-522-9

Query Match	4.58;	Score 31.6;	DB:1;	Length 1649;
Best Local Similarity	56.98;	Pred. No. 3.5;		
Matches 58;	Conservative 0;	Mismatches 14;	Indels 0;	Gaps 0

QY	75	attctctgagaaagaagcttcagcatccctctgtaagcga...	aggaaagaaaaattctct	134
Db	43	ATGTTTAGAGAAAAAGATGCTCTTAGAGCAAGCTCCAT	TGCTGTAGCAAAATACGT	102
QY	135	gggaaagaacatctcaaccaatgagtagagaccagaagag		176
Db	103	ATGGAAATGAACCGGAATGATTTAAATGCGCAGCAAAATATAG		144

RESULT 14
US-08-217-438-8
Sequence 8, Application US/08217438
Patent No. 5521072
GENERAL INFORMATION:
APPLICANT: Potter, Andrew A.
APPLICANT: Gerlach, Gerald F.
APPLICANT: Willson, Philip J.
APPLICANT: Rossi-Campos, Amalia
TITLE OF INVENTION: ACTINOCACILLUS PIEZOPROTEINOMATAE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Reed & Robins
STREET: 635 Bryant Street
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/217.438
FILING DATE: 22-MAR-1994
CLASSIFICATION: 435

```

: ATTORNEY/AGENT INFORMATION:
: NAME: Robins, Roberta L.
: REGISTRATION NUMBER: 33,208
: REFERENCE/DOCKET NUMBER: 9001-0015.01
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415-617-8999
: TELEFAX: 415-327-3231
:
:
:
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1649 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
:
US-08-217-438-8

Query Match          4.5%; Score 31.6; DB 1; Length 1649;
Best Local Similarity 56.9%; Pred. No. 3.5;
Matches 58; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 75 attctagagaaagagttcagcatcccttgtaaggccactagagaagaaattctct 134
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 43 ATGTTTAGAGAAAAAGGATGATCTAGAGCAAGTCCAGTGTGTGAAGAAAAATACGT 102
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 135 gggaagacacatccaatgaatgagagcaagaagag 176
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 103 ATGGAATGAACCGAATGTATTAAATGCCAGCAAAATATAG 144
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 15
US-08-321-978-9
: Sequence 9, Application US/08321978
: Patent No. 5801018
:
: GENERAL INFORMATION:
: APPLICANT: POTTER, ANDREW A.
: APPLICANT: GERIACH, GERALD F.
: APPLICANT: WILSON, PHILIP J.
: APPLICANT: ROSSI-CAMPOS, AMALIA
: TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS
: TITLE OF INVENTION: PLEUROPEUMONIAE
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: ROBERTA L. ROBINS
: STREET: 285 HAMILTON AVE, SUITE 200
: CITY: PALO ALTO
: STATE: CALIFORNIA
: COUNTRY: UNITED STATES OF AMERICA
: ZIP: 94301
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/321,978
: FILING DATE: 12-Oct-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: ROBINS, ROBERTA L.
: REGISTRATION NUMBER: 33,208
: REFERENCE/DOCKET NUMBER: 9001-0015.02
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 327-3400
: TELEFAX: (415) 327-3231
: INFORMATION FOR SEQ ID NO: 9:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1649 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
US-08-321-978-9
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Query Match          4.5%; Score 31.6; DB 1; Length 1649;
Best Local Similarity 56.9%; Pred. No. 3.5;
Matches 58; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 75 attctagagaaagagttcagcatcccttgtaaggccactagagaagaaattctct 134
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 43 ATGTTTAGAGAAAAAGGATGATCTAGAGCAAGTCCAGTGTGTGAAGAAAAATACGT 102
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 135 gggaagacacatccaatgaatgagagcaagaagag 176
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 103 ATGGAATGAACCGAATGTATTAAATGCCAGCAAAATATAG 144
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Search completed: August 27, 2001, 17:54:49
Job time: 8477 sec
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Tue Aug 28 10:04:35 2001

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